

NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) San Angelo, TX
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH YEAR May 2012
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE Jason Johnson DATE June 24, 2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

An active weather pattern during the first half of the month of May brought beneficial rains to much of the San Angelo hydrologic service area (HSA). As early as the 3rd, an upper level disturbance interacted with the dry line to initiate thunderstorms and showers across portions of the HSA. Showers and thunderstorms occurred on numerous days between the 3rd and the 15th of the month. Most notable were events that occurred on the 7th and 10th. On the 7th, a cold front moved south through Texas and collided with a moist and unstable airmass. Widespread heavy rain occurred mostly along and south of Interstate 20. The heaviest rain occurred across the Concho Valley, southern Heartland and Northwest Hill Country, where 2.5 to 4 inches of rain fell. On the 10th, an upper level storm system from northern Mexico arrived, bringing widespread showers and thunderstorms. Rainfall amounts from two to four inches fell across parts of Crockett, Irion, Tom Green, Sterling, Mason and Menard Counties.

The U.S. Drought Monitor (USDM) showed conditions improving across the southern half of the HSA during the month of May. Most areas south of Interstate 20 are depicted as abnormally dry to moderate drought. However, areas north of Interstate 20 have generally received less rainfall and improvements have been small. At the end of the month of May, the USDM depicted severe to extreme drought conditions across portions of Fisher, Jones, Shackelford, Haskell and Throckmorton Counties.

The average precipitation reported from coop observers in May was 3.48 inches. The highest monthly precipitation total of 6.41 inches was reported in Concho County. Coop observers in Concho, Crockett and Irion Counties received over six inches of rainfall in May.

The San Angelo Regional Airport received 4.50 inches of rain during May, which was 1.68 inches above normal for the month. The monthly normal rainfall for San Angelo in May is 2.82 inches.

The Abilene Regional Airport received 2.31 inches of precipitation during May, which was 0.87 of an inch below normal for the month. The monthly normal rainfall for Abilene in May is 3.18 inches.

Junction received 2.31 inches of rain during May. The estimated average monthly rainfall in May is about 3.25 to 3.50 inches.

Coop Observer Rainfall Totals for May, 2012:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	2.50		Merkel 12SW	4.54
Acton Ranch	6.10		Mertzon 12WNW	6.25
Albany	2.81		Ozona	4.28
Ballinger 2NW	2.93		Ozona 22SE	6.37
Brady	3.35		Paint Rock	3.74
Brownwood	1.61		Putnam	2.86
Burkett	2.22		Red Bluff Crossing	3.56
Coleman	3.05		Roscoe	4.09
Concho Park	5.26		Rotan	2.11
Eden	6.41		San Angelo WFO	4.50
Eldorado	4.56		San Saba 7NW	4.17
Fort Griffin	1.18		Santa Anna 12SSE	1.82
Fort McKavett	2.47		Silver Valley	2.89
Glen Cove 2NE	2.81		Sonora	3.51
Hamlin	1.87		Stamford	1.50
Haskell	2.01		Sterling City	3.80
Hords Creek	2.88		Taylor Ranch	5.28
Humble Pump	1.69		Throckmorton 7NE	3.25
Junction 4SSW	2.73		Water Valley	3.33
Lake Abilene	4.00		Water Valley 11NE	2.45
Mason	4.66		Woodson	3.76
Menard	4.37			

Reservoir Conditions (end of May, 2012)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	35,850	51
Lake Stamford	52,700	22,330	43
Hubbard Creek Lake	317,800	136,500	43
Hords Creek Lake	8,800	910	13
Lake Brownwood	131,428	72,930	55
E.V. Spence	488,760	2,030	0
O.C. Fisher	119,200	220	0
O.H. Ivie	554,340	91,290	16
Twin Buttes	177,800	14,030	18

Hydro Products Issued

FFA = 5

FFW = 4

FFS = 2

FLS = 15 (Urban/Small Stream Advisory)

ESF = 2 (Probabilistic Forecasts)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for May across the San Angelo HSA is depicted below.

